

## Specifications for PSU Mobile Cart Air Sampling System

1. 1/4 HP, oilless rotary vane vacuum pump rated for continuous operation. Maximum vacuum 26" Hg.
2. Hard mounted, heavy duty, mechanical flow control valve allows flow rate adjustment between 0-4.0 cfm (open air) and maintains constant flow.
3. Adjustable height gooseneck sample inlet.
4. Panel mounted NIST traceable flow meter, custom calibrated per ANSI/NCSL Z540-1-1994 using user supplied filter media.
5. Panel mounted electronic, elapsed, resettable, timer in hours and tenths of hours.
6. Panel mounted on/off switch with fuse protection.
7. Stainless steel quick disconnect fittings that mate to the Swagelok ® quick disconnect fittings on the LANL supplied filter holder.
8. High quality 18" x 18" x 12" lockable weather proof aluminum box mounted just above the wheels houses the pump, flow control valve, flow meter with mounting panel, fuse protected on/off toggle switch and all controls. The box also has a 100 CFM cooling fan, hasp for padlock and a security eyelet for supplied security cable.
9. 20', 14/3 SJO power cord.
10. Power Cord Hanging Rack.
11. MRV-026-S gooseneck in system and configure with existing fittings to accept LANL filter holder.
12. Top Mounted Filter Holder.
13. Straight pipe handle bar painted to match and wrap with grip tape.
14. Aluminum, "chain of custody" filter holder lock box.
15. Wide stance of front support legs to enable stacking of units.
16. 6' vinyl coated 3/16 diameter locking cable.

See page 42 of catalog "T" for description of HI-Q's standard unit MRV0523CV-BOX. PSU Options are added to this base unit.